



AMHERST *Massachusetts*

OFFICE OF THE SUPERINTENDENT OF PUBLIC WORKS
586 SOUTH PLEASANT STREET
AMHERST, MA 01002
TEL. 413-259-3050 FAX 413-259-2414

February 7, 2008

Mr. Dominic Rinaldi, P.E.
Project Manager, Associate
BSC Group
15 Elkins St.
Boston, MA 02127

Re: UMass CHP

Dear Mr. Rinaldi,

The Town of Amherst will approve the sewer connection for the new Central Heating Plant (CHP) with the conditions mentioned below. In discussions with you, and university officials, it has been stated that "the new CHP is expected to have the same chemical and physical properties as the existing discharge". If that is the case, we anticipated no adverse effects on the operation of the town's treatment facility. The treatment facility is located much closer to the new CHP, and is very susceptible to chemicals in the wastewater that could exhibit a limiting or toxic effect on the biological treatment process. If any operational problems or toxicity are noticed at the treatment plant, operational changes or pre-treatment will be required at the CHP.

Since existing data on the CHP discharge is limited, the town will require daily flow measurement and monthly analysis of the analytes included in BWP38 part B, as well as the compounds listed in the 4/9/07 Barclay Water Management letter enclosed in the permit application. The town will require that this data be provided for the first six months the CHP is in operation. If the data is acceptable, the frequency will be reduced to semi-annual.

All discharges to the sanitary sewer must also meet the requirements of the Town Sewer Regulations. If you have any questions, please call me at 413-259-3115.

Very truly yours,

Robert E. Pariseau
Director of Water Resources

Cc Pat Daly, UMass, Director of Physical Plant
Guilford Mooring, Superintendent of Public Works

PROPOSED SAMPLING FOR UMASS CHP

24 HOUR TIMED COMPOSITE SAMPLE – SAMPLE EVERY 15 MINUTES

LIST 1

pH
Alkalinity
Hardness
Calcium
Magnesium
Chloride
Sodium
Sulfate
TSS
TDS
Potassium
Iron
Phosphate
Silica
BOD

LIST 2

Antimony
Arsenic
Beryllium
Cadmium
Copper
Lead
Chrome
Nickel (total)
Selenium (total)
Silver (total)
Zinc (total)
Cyanide (total)
Phenols (total)
TPH
COD

- List 1 & 2 monthly for 6 months, if data is good, reduce to semi annual
- Flow Estimate?? How to do
- 3 Sewer connections – what do they contribute
- List 1&2 estimate cost \$600, List 1 estimate cost \$300